

L. J. Chimnick

11.i. - 3.iii. 1965

Section I Bourke - Thargomindah.  
50727 — 50960

Section II Thargomindah — Nockatunga  
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Section III Nockatunga — Nockaburrah — Kihce  
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Section VIII Windorah — Quilpie  
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51756 — 51878

Section X Thargomindah — Bulloo Downs  
51878 — 51914

Monday 11/1/65

Section I

50727 Bourke

50731 Nth Bourke. - T.O. to Hungerford.

Day hot. clear High Wind Prof. - 6

50737 Small heavy swamp area, depression in extensive flood area, bordering road bearing cane grass (dry). Table drain with green patch of Couch grass and numerous plants of Nagora Burr.

B. 49 + 40 } 12 odd *Adopus lamulus*  
L. 34 + 10

50741 Cane grass swamp area (dry) on salty soil. No intertussock vegetation. Area narrow angled across road ( $\frac{1}{4}$  mile wide) but long (miles) Mangin on either side flanked by low cordilleria

J.W. 24 } 7  
J.D. 1 unsexed  
L.C.  
B. 34 + 10

50743 Broad flood plain (reelers) Heavy self-



mulching grey alluvium. *Eragrost. setifolia*, *Bassia*  
*quinque*. *Atriplex* sp and odd clumps of cane grass  
 Area dry except for odd *Eragrost* in talile drain  
 with green basal shoots.

fW.	2 unsexed	} <u>6</u>
fD	0.	
L	1♀ + 1♂.	
B	2♀	

50757 Edge of large water filled swamp  
 between sand ridges. Where water has receded  
 green. Outer margins — couch grass then belt of  
*Stinkwort* (*Snula graveolens*); inner area with green  
 prostrate *Chenopod* or sp. of *Samphura*.

B.	0.	} 1 + ?
fD	2? as to species	
fW.	0.	
L.	1♂	

Ford's Bridge 50771

50775 Swamp - depression area bearing debris

of *Cyperaceus* sp. *Juncus* sp. narrowly edged with  
*Atriplex*. Some silty saline compact soil areas  
 covered with *Samolus* sp. On stock route adjacent  
 heavy soil area covered with couch grass partially  
 green.

L. 4♂ + 1♀.	} <u>19</u>
B. 2♂ + 1♀	
W. 5 unsexed.	
D. 3♀ + 3♂	

50794 Light trap. — negative.

Tuesday 12/1/65

Departed 50794 *Schizothorax flaviventris*, *Pseudocrenolabes*  
*seriatus*

507812 Yant. *Ant. ~~Ant. ~~Ant.~~~~*

Warm, sunny. Bar. 4. clear cloudless

50813\* Swamp, scald, bubbly puffs complex  
 Compact area, *Bassia* sp., *Eucalyptus*. *Scaevola*  
 bare bubbly; swamp area cane grass. Edged  
 with *Euc. coolabah*. *Banksia* *myrsina*, *Acacia*



Swampy. *Alpinia* or *Cratogeomys* indicated.

or et al. and odd *Dodonaea* on more sandy areas.

L. 107 + 1 *Ptilopus*.

B. 107 + 17

f. D. O. *Macroleptia* 1 specimen.

f. W. 107

4

This may not be exact area vis for (Doug's note B2).

50814 Stony rise bearing *Platanus* leading down to depression area (heavy soils) bearing *Stipa aristiglumis*. Both areas separated by belt of scalds. Odd *Euc. terminatis* and *H. woyi* on transitional area. Compact areas other than scalds with *Erag. acrospoda*, *Themida* (avena sea?) Whole area dry.

B. 17 sex?

L. 0

1

50816 Cattaburra Bridges no 1 & 2.

50821 Cane grass swamp (silty) set in as.

depression to low sand ridges. Cane grass dry. Outer sandy margins bearing scattered *Bassia lupinus*, *Bassia quinqui* - *Bassia* sp. Some low grass areas.

on sandy perimeter. *Eragrostis* sp. *Eriosema* sp.  
 odd green basal shoots. Area classified dry.

J.B.	0	}	<u>2</u>
J.D.	0.		
L.	10 <sup>7</sup>		
B.	10 <sup>7</sup>		

50844 Heavy brown soil plain with  
 small ~~more~~ compact areas. Compact areas  
 bearing *Bassia bicornis*, *Eriosema bignoniiflora*,  
 and *E. maculata*. Heavy soil area *Chenopodium*  
*auricomum*, *Kochia aphylla* with Cane grass  
 as occas. Area dry. *Chenopodium* shed its leaves.

B.	0.	}	3.
J.D.	10 <sup>7</sup>		
J.W.	19.		
L.	1 unrec?		

50850 Cane grass swamp depression bordered  
 by pebbly rise bearing odd *Euc. coolahub*, *bicolor*,  
 with scattered *Acacia victoriae* and *Legum* in  
 depressions. Swamp area, dry ~~not~~ intertussock vegetation.



between cane grass clumps. Area completely dry  
Wind from SW. increased to 5.6 Beauf. S.

J.W. 1♀	}	5
J.D. 1♂		
L. 1♀		
B. 2♀		

50865 Hungerford. Last rain 3 points Dec 2nd  
Since then scattered storms around district  
with falls from 80-150 pts. Narrow strip storm

50876 Turned left to Thargomindah.

50919 Coarse sandy loam area leaving  
A. canura stand with odd trees of *Euc. terminalis*  
Open area on right hand side of road counted.  
Ground cover of *Eragrostis caryophylla*. All dry

J.W. 2 unsexed	}	3
B. 0		
J.D. 0		
L. 1♀		

This area I thought to correspond with Doug's site

50922 Bore drain flowing through red sand loam country leaving *Acacia aneura* and shrubby *Acacia* up to 4 ft. Green couch along drain margins.

L. 20♂ 1♀ } 3. *Pyrostictus variatus* common.  
B. 0

50934 Wash area, <sup>just past the fence</sup> a base of nearby rise (came down from plateau formation). Water washed sand & loam in table drain leaving *Atriplex semibaccatum*? Scattered *Atalaya hemiglossa* as clumps of stunted trees & regrowth. Recent rains fallen - area green but still poorly vegetated.

f B. 2 ♀  
f D. 40♂ 1♀  
L. 30♂ 2♀  
B. 170♂ 16♀ } 45

50935 Creek

50935 + Creek + tributary complex. Several water channels. Water in main creek appears only to have



stopped running within last week? Area with mixed grasses. *Eragrost* sp. *Aristida*, with *Atriplex semibaccata*, *Atriplex* sp and miscellaneous mixed dicot herbs. Grasses dry or nearly so, *Atriplex* green. *Atalaya hemiglanca* as scattered trees along tributs of creek.

B.	11	♂	7 ♀	} 68
L	6	♂	5 ♀	
JW.	8	♂	10 ♀	
JD	15	♂	6 ♀	

50940. Sandy loam area bearing *A. aneura* on R.H. Side of road. L.H. Side scald low depression complex. Trees. *A. aneura*, *Gnollia striata*, *Atalaya hemiglanca* with odd *Luc. terminalia*. Ground cover on sandy loam. *Eragrost. acrolocha* and *Malva* grass *Aristida arenaria*. In depression some coarse grass clumps perhaps *Panicum*. Area dry on margin of previous strip storm area.

B.	10	♂ + 1 ♀	} 4
JW.	0		
L	0		
JD	10	♂ + 1 ♀	

Arrived Thargomindah 50960

Section II

50963 Semi-heavy cane grass swamp area bordered by silty heavy soils. Outer area with *Erag. parviflora*. Swamp area with cane grass & *Erag. parviflora* with *Marsilea drummondii* in heaviest parts of depression. All dry.

J.D.	10719	}	<u>22</u>
W.	107		
L.	30719		
B.	70789		

Odd *Atriplex* sp. *Bassia bicornis* green on outer area.

Thought to be 1 on Doug's Note Book. agrees with description.

50994

Watercourse at base of stoney rise with *Luc. ichnophloia*, <sup>odd *Euccadial*</sup> and *A. aneura*. odd *Acacia tetragonophylla*. Remnants of *Themida* sp. & *Eragrostis* *A. aneura* on adjacent rises. Dry *Aristida arenaria* (Mulga grass) on more compacted areas. Whole area dry.



J.D.	40 <sup>1</sup>	29.	} 14
L	18 <sup>1</sup>		
J.W.	0.		
B.	40 <sup>1</sup>	39	

50998 Camped. Stony gulch area with  
*Acacia cambridgei* & *Bassia* sp  
 Light Trapping Ch. term. Neg.

13/1/65 *Conyolista mucicola*, *Diolopentamulus*,  
Depart 50998 Fine warm day fresh SE breeze  
 (cool) Beauf 4.

Wind increased to B.S = 6

51004 edge of open brown heavy soil pebbly  
 plain. Depression area. Low mounds either side  
 with *Acacia cambridgei*. Heavy soil with short  
 dry clumps of *Salicornia* & mixed grasses (debris)

J.W.	0	} Area completely dry.
J.D.	0	
B.	0	
L	10 <sup>7</sup>	

51006. Mill Tank. (new) right hand side of road.

51008 Stony open area on down slope of low rise with small depression areas (shallow crab holes) scattered throughout. Cover dry, low, *Bassia* sp. *Atriplex* sp. with tufts of *Aristida* in depressions. Area dry.

B. 207	27	} <u>6</u>
L 107		
PD 0.		
JW. 107		

collected from dry, 45° - 52° sunny

51012. Large open fine grained brown sand plain just beyond creek lined with *Ipomoea* cover of *Atriplex* sp. *Bassia* sp. *Flourensia* sp. (*Urolinum*). (ground cover mostly dry, *Bassia* & *Atriplex* dry, off) and short

J.B. 107

PD 0

L 107

B 307





51636. Slaty (brown) non-salt marshy open  
 plain following extended Midgee wet drainage  
 with grasses before breaking out onto plain  
 Chenopodium fringed sink holes with some  
*Phytolacca vesicaria* bushes. Storey patches in  
 moraine. Principally *Bassia* sp. Dry.  
 Red sand <sup>also</sup> in distance along road.

L 107

Rat-mounds.

SD 107

B 207 34

SD 107 34

51637 Just past end of cement (road) on  
 LHS of road. Dip in road with very heavy soil  
 swamp area with *Chenopodium*, & *Lythrum* in  
 center of swamp. *Lythrum* sp. *Hordeum* sp. *Lythrum*  
 surrounding area heavy grey loam with some  
 small sink holes. Principally *Bassia* sp.  
*Phytolacca* in distance. Whole dry.

B 407

Rat-mounds

L 1507

49

SD 1207 64

B 407 34



11145 Wilson Creek Xing. From about 1/2  
mi. west to Nockatunga.

<sup>small scale</sup>  
Nockatunga Map 1/4 Sec. 10, T. 10 N., R. 10 W.

Nockatunga 51047 Section III

51050 Stratification (most) dark brown and  
red brown waste cover. Fresh lined with <sup>H.</sup> sand  
stone, blue, light, adjacent area somewhat  
dark brown. Passes up - Paleozoic. From 100 ft.  
to 1000 ft. Slope (steep) on right hand side of  
6 60' 7' } with scattered nodules - 100' to 1000'  
L 50' 1' } 20.  
10 10'  
100 0

51059 Nockatunga Thence to Paddy Field.

51060 Wilson Creek

51061 Beyond Wilson R. Sandy to heavy  
and much of the area is covered by  
thin sand. The sand is very fine and  
much of it is covered by a thin layer of  
mud.

51062 100' 1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20'

7. 6 Heavy clay soil plain with some  
 low, yellow swamp depression in center  
 8. Heavy clay soil plain with some depression  
 vegetation in depression mainly *Helianthus*  
*scaberrimus*, *Chenopodium* and some heavy, wet place  
 heavy clay plain with no cover but some  
 a good stand of *Flindersia* grass. *Syntherisma* sp.

3. 507 3 2 }  
 2 201 }  
 10 107 }  
 10 0 }

11. 201

12.

11. 76 7600 Mill Tuckert behind

10. 82 Turned off road to left to edge of Swamp  
 swampy 3 miles away. All heavy trees were with  
 leaves of *Bacca*. *Phytolacca* very many swamp  
 area. *Chenopodium* swampy.

3 207 24 }  
 10 0 }  
 2 707 22 }  
 10 307 22 }  
 11. 36 7600



51066+ Yards

51067 Yards old tin hut. Turner right

51091 Western side of Chinapodium flood  
channel. *Euc. carinata* + odd *Acacia stenophylla*  
*Chinapodium* dry soil very heavy. Flood  
channel very extensive Very dry.

B 0

B. 10<sup>21</sup> 14

B 0

1 0

2

1098 Wilson Yung North Side

*Salix*, *Amelanchier*, *Alsepsis*, *Myrica*, *Commersonia*, *S. p. 3*  
*Procalymene*, *Commersonia*, *Commersonia*, *Commersonia*  
51482 *Commersonia* *Commersonia* *Commersonia*

14/1/65 Hot clear day Wind S.W. C 10 B 5

Depart Wilson Yung 51062

14/1/65 Wilson Yung return

In dense flood plains of the Wilson river

stretching as far as eye can see in all directions.  
 Stopping point with numerous small water quells <sup>and</sup>  
 wider depressions bearing *Chenopodium Purpureum*;  
 all leaves shed except for basal ones. More elevated  
 heavy grey soils with *Bassia bicornis*?

L.	1♂ + 3 unsexed.	} <u>9</u>
B.	2♂ 2♀	
JW.	0	
JD.	1♂	

51120 Similar to last stop. Now on north side of  
 Wilson.

B.	2♂ 1♀	} <u>8</u>
L	2♂ 1♀	
JD	0	
JW	2♀	

51132 Nocunawa

51132 - 51059

51139 Slightly sloping stoney area with  
 numerous clay depressions. R.H.S. scatter *Acacia*  
*cambridgei*. L.H.S. more timbered some sparse



depressions with green grazed bulbs of *Astralela*.  
*pectinata* and *Atriplex* sp. Area in storm  
 strip area.

B. 100♂	8♀	} 52
L. 20♂	2♀ + 15 unseed	
J.D. 30♂	1♀	
J.W. 90♂	3♀	

51140 Stony slope leading down in  
 broad basin. Slope with some depressions  
 with *Astralela pectinata* (green) and *Even.*  
*leguminiflora*; basin area with much *Even.*  
 Several washes leading in with *Atriplex* sp  
 green, some *Astralela*. Higher up slope  
*Euc. terminalis* - *Acacia cambagei*. Area  
 within <sup>narrow</sup> storm area.

B. 60♂	3♀	} 65
L. 120♂	9♀	
J.W. 10♂	12♀	
J.D. 40♂		

Noddinga Str. 51144 = 51047

Nockatunga to Kilee.

Hot. fresh NE wind B. S. = 3 1 pm.

51147 Road to Kilee

51150 Ground Tank (dry)

51156 Lower slope of stoney rise leading into creek area. Stoney rise with *A. anura* & *Euc. lamiales*. Lower flat *Euc. schrophloia*, *Acacia cambagei* odd. *Acacia victoriae*; regenerations of *Gidgea* (not cottonbush). Ground cover. *Bassia* sp. *Salsola* and dry grass spp. All dry.

L207 3♀

B 107 7♀

GD 207

JW 107 2♀

27.

*Pyrostictus* numerous &  
*Peakeria* also.

51159 Left hand side of road - away Numerous *Euc. coolabah* suckers; with scattered *Euc. schrophloia* and *Grassia striata*. R.H.S. depression with *Erag. setifolia* some *Bassia* sp. green; mixed dry herbaceous mixture. Occas. *Acacia stenophylla* in depression near road. Dry

JB 1♀



} D. O. } 4  
 } B 2♂ 1♀ }  
 } L. O. }

51161 bare grass swamp with *Euc. coolibah*  
 and *Acacia stenophylla* as occasional; outer  
 fringe to swamp of dyaks with *Erag. setifolius*;  
 and *Kochia unphylla*. Area as least to swamp  
 with dry mixture of grasses & *Bassia*s. Area  
 completely Dry.

} J. 1♂ }  
 } L 2♂ + 1 un. sex } I  
 } B 3♂ + 1♀ }  
 } J.W. O. }

51167 Flat a base of low slope to N.H. side  
 Scald, stone, depression complex with scattered  
*H. woyji* and grazed stunted *Acacia a. aurea*  
 Recent rain; depressions green, few with water  
 still in. Green *Portulaca*, *Eragrostis setifolia*  
 herbs, and some *Euphorbia*s.

L. O. ; B O. ; J D O. ; J B 1♂ 1♀ } 2

51170

Stony rise leading down into Kuber Creek.

Scattered *A. aneura* on rise. *E. coolabah*  
in creek. *Bassia* dominant ground cover dry.

L. O.	}	0
W O		
B O.		
B. O		

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Kuber Stn 51176Section IV

51187. Open *A. aneura* country on stone  
depression complex. Depression with *Acrida*  
*pectinata*, odd *Themis* clumps, with  
*Eragrost. setifolia* and *Aristida anserina*  
(Mulga grass) Area completely dry

L. O	}	2.
B O		
W 10 <sup>9</sup> 1 <sup>10</sup>		
W O		

51200 Camped Light Trap [*G. d. senilis*]

1 ♂ cl. term. 1 hr. after lighting up.



15/1/64 Depart. 51200 Hot. Clear light  
SE breeze freshening

51209 Stony pavement depression complex  
left hand side of road. Open area treeless  
with creek approx 5 m away to west. Vegetation  
of mixed *Bassia* spp and herbs drying out in  
depressions. Pavement area stoney & bare

B O.	}	Area slightly green drying out.
LO		
W O		
Q D 14		

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51211 Yards

51211 Right turn to Bellalie Str limits

51219 Broad creek flood plain; silty sand -  
self-mulching with islands & stringers of  
*Acacia cambagei*. Area covered with greenish  
*Bassia*, some small *Kochia* sp with old  
depression with *Eum. ph.* *lyg.* *ph.*  
Table drain with drying *M. ph.* sp. &

green Bassia's. Ch. term. confined chiefly  
to Table drawn area

L. 1♀ + 6 unsexed.	} 24
B. 6♂ 5♀	
J.D. 1♂ 1♀	
J.W. 3♂ 1♀	

51229 Road junction. Khew. MT. Howitt Expanse.

51232 Creek flood plains, brown stony  
heavy soil with patches of *Acacia cambospi*.  
Green *Acacia* sp? *Albizia* *sp.*? and  
small hump-shaped tree (fine young leaves small purple

(brown)	} 18
J.W. 1♀	
J.D. 1♀	
L. 0.	
B. 7♂ 9♀	

51245 Stony permanent area with depressions  
L.H. side of road. Local pocket of brown soil  
underlying heavy soil. R.H. side. L.H. side



- *Eremophila* tree & short *Eremophila* bushes. 25  
 Stony pavement lower. Depressions with *Astrabla*.  
 - *Eremophila* sili-folia. R.H.S. Some *Themedia* with  
 two-day *Astrabla* & long sili-folia. *Astrabla* green  
 at buds.

J.D	12	} <u>5</u>
L	107	
B	107	
J.W.	27	

*Eremophila* 51252 Back towards Mt. Hewitt

### Section IV

51275 Rd Janet *Eremophila*, Kibee, Mt. Hewitt

51275 = 51229

51285 T.O. left to Ulmonitho.

51287. T.O. to Mill on Right then back to road.

51293 Stony pavement depression complex  
 with very open *H. arvensis* stand. Odd *Atalapha*  
 here & there, *Euc. teretica* in places to 1-2 m high  
 yellow. Pavement area low or with sparse *Themedia*  
 here & there. Depressions with *Astrabla* here & there.

some *Themidius* & *Bassus* sp. is dead debris

26

J.D. 1♀

L. 4♂ 3♀

J.W. 2♂ 3♀

B. 8♂ 11♀

32

Population confined to  
depressions only

51298 Supr to M1 Howell's Plevia Dns

H. Dns

M. H. & Plevia  
to left 1 mi. above

51300. Stony downs type of country treeless.

bearing *Astrellea* (short) *Atriplex* spongywood &  
*Kochia* sp; greenish tinge drying off.

L 9♂ 7♀

B 7♂ 9♀

J.D. 15♂ 15♀

J.W. 33 unsexed 14<sup>th</sup> graph.

94 Single flights observed

51303 Stony treeless plain over heavy brown

soil with numerous minor depressions. Vegetation

*Astrellea* mainly in depressions with short *Atriplex*

and *Kochia* sp. *Kochia*'s & *Atriplex* green & just

green.

L. 2 unsexed B. 13<sup>th</sup> 1<sup>st</sup> 1<sup>st</sup> JB 15<sup>th</sup> 19<sup>th</sup> 1<sup>st</sup> 1<sup>st</sup>

$\left. \begin{array}{l} \text{D. } 10^7 + 1^0 \\ \text{D. } 10^7 + 1^0 \end{array} \right\} 10.$

51306 *Plumieria* Dns.

51311 Treeless stony downs. *Kochia* sp.  
*Atriplex* sp. a short tufted *Atriplex*. *Sporobolus*  
 from recent rain.

$\left. \begin{array}{l} \text{B } 10^7 \\ \text{L } 1^0 \\ \text{W } 1^0 \\ \text{D } 20^0 2^0 \end{array} \right\} 6.$

51325 Open treeless stony plain during  
*Atriplex vesicularis*

$\left. \begin{array}{l} \text{L.D.} \\ \text{W } 30^7 2^0 \\ \text{B } 20^7 1^0 \\ \text{D } 1^0 \end{array} \right\} 9.$

51332 Treeless heavy brown soil plain  
 with stones. *Sporobolus* area of *Sida*, *Kochia* sp.  
 some *Atriplex* and *Sida* sp.



B 15<sup>27</sup> 11<sup>9</sup>.

JD 15 unsexed.

JW. 28. unsexed.

L. 20<sup>7</sup> 1<sup>9</sup>

72

Section VI

51336 Mt. Hurch

Manager Mr. Shultz.

patches of grasshoppers in channel country up to 1 mile  
 through. moved NW. <sup>in March 1946</sup> West. 225 ft. from in Spt. nothing  
 but odd sand and shells.

51380 Camped. 51380 ✓

16/1/65

✓

51380 Dept. Clear day warm wind from NW.

freshening 4 B S. No Frapping

51417 Cronanga. Wind fresh NW. with dust  
squalls B.S. 5-6.

51422 Creek flood plain; heavy grey SM soil  
 with odd brown depressions. *Erag setifolius* in  
 depressions, rest with *Atriplex* tussocks (gorges)  
*Scirpus luc. coolabubus*, *Acacia victoriae*

with lizards on more compact areas. To: 29  
left in distance Mulgas. Dry; odd green  
to *Atriplex* tussocks.

L 10<sup>+</sup> 1 unsexed  
B 0  
D 2<sup>+</sup>  
W 10<sup>+</sup>

} 5.

51434 Open areas of heavy flood soil with  
flood gutters & islands bearing *Acacia cambagei*.  
Ground cover open consisting of mixed *Bassia*  
sp. and *Atriplex* sp. with odd *Atriplex* butts.  
Green but drying out.

JW. O.  
D 30<sup>+</sup> 3<sup>+</sup>  
L 10<sup>+</sup> 2 unsexed  
B 20<sup>+</sup> 1<sup>+</sup>

} 12.

Wind increased in strength to 6 BS.

51435. Desert Pt. H. S.

51441. Monkey Creek

51442 Yapunyah. Mr. Ray Stale. Several  
patches in March. Sept. Rain 2.70. nothing seen  
except 10 ft. in November. Flight appeared east.

R Skids has Cinema 172 VH-RDK

51444 Junction of Sandhill with open heavy soil plain. Base of Sandhill *A. ansera* with odd clumps of *Euc. termentalis*. Margin of heavy soil scattered *A. cambagei*. Heavy plain's area

*Astrelba*. Dry.

B. 2-7. } in lignum.

L 0. *Adelphus* } 2  
present.

J W 0

J D 0

51452 Kyabra Ck a TO left to Raymond H.S.

51458 Depression gravel pavement area virtually treeless except for odd *Cassia* shrubs. Pavement areas bare. Depression with *Astrelba* *Crucifera* *anopoda* *artifolia*. Some *Themida* in deeper depressions. Dry.

B. 19

L 1 insect } 2

J D 0

J W 0



51471 Raymore H.S.

51481 Yaphara H.S.

51499 Keavongolos H.S.

51521 Tenham H.S.

51520 Junct with Bitumen

51563 Windsorah. Section VII

51574 Heavy depression puff area approx 1 mi  
Sth of road with long low sandhill as backdrop.  
Puff areas *Erag. setifolius*, depressions with  
no cover. A small deep depression contains  
Cane grass. Dry

L 207 14

B 307 20

JW 207

JD 407 40

18

51578 Flood wash or channel across road  
in middle of heavy soil plain. Scattered  
heavily grazed *Astragalus* butts together with green  
widely spaced *Atriplex spongosa*. Partly green.

JW.	507	2♀	} 43.
JD	407	1♀.	
L.	507	4♀	
B	1407	8♀	

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51579 Narrow creek area with scattered  
*Eucalyptus* with *Eragrost. setifolia* *tuissches*  
lining either side. (narrow belt); area  
away heavy soil's bare.

JW.	38	unsexed	} 130
L.	507	4♀ 15 unsexed	
B	56	unsexed	
JD	21	unsexed	

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51581 Shallow water wash right  
hand side of road only bearing *Chenopodium*  
*aureum*, <sup>area</sup> approx 30 yds wide 20 yds long  
heavy soil either side with short debris

if grasses (Eragrostis?) Chenopodium with  
green leaves. Remainder dry.

415	16 unsexed	} 254 + ?
416	28 unsexed.	
3120	unsexed	

Too many for accurate tally (4/10 x 20) old Nilgiris

51599 Windorah.

Section VIII

51607 Camp at St. Philomena's Kinging (Bridge)

17/1/65

51607 Departed Day clear, warm light NE breeze.

BF 1-2.

Hot. N<sup>th</sup> wind 4 B.S.

51658 Strip storm area through mulga scrub  
area. greenish tinge.

51682 Thylacynus

51686 Edge of heavy black soil plain. Acacia  
canopies along western margin with scattered



*Euc ochrophloia*. Heavy soil with *Astralea* sp  
heavily grazed. Generally Dry. Scattered red  
sandhills visible in distance

L.	0.	}	12
fD	2♂ 5♀		
fW	0		
B.	3♂ 2♀		

51705 Heavy open plain fringed with *Acacia*  
*umbagogi* bearing *Astralea* sp & *Eragrostis parviflora*  
with bushes of *Eremophila bignoniiflora* in  
scattered and clump formation. Area dry.

L.	5♂ 3♀	}	34
B	10♂ 5♀		
fD	2♂ 3♀		
fW.	3♂ 3♀		

51707 Heavy silty plain, treeless bearing  
Dry *Astralea*. with scattered *Eremophila bignoniiflora*  
bushes

B.	7♂ 5♀	}	42
L	7♂ 6♀		
fW.	10♂ 6♀		
fD	2♂ 1♀		

51756 Quilpu Section IX

51772 broad shallow water course bearing  
Astrida (dry) with odd green bushes of *Chenopodium*  
Soil higher ground on either side to left  
of road east low rise with *Dodonaea* sp.

B 5♂ 7♀	} 43 <u>Dry</u>
D 2♂ 2♀	
W 5♂ 8♀	
L 8♂ 4♀? sex.	

51793. Just past original site (south)

Stony heavy soil area, treeless with several  
water gutters. Gutters with *Chenopodium* (dry) very  
stony area *Bassia* dry - tufts of *Astrida*. Dry

L. 1♀	} 17
D 2♂	
B 2♀ 3♂	
W. 6♂ 3♀	

51806 Tumani

51806 Heavy soil plain with islands of *Yucca*

and scattered *Euc. ochrophloia*. Clumps of  
*Eremophila bignoniifolia*. present thick in places.  
 Ground cover of *Astragalus* - Bassia's (dry).  
 Some green butts of *Astragalus*.

L. 19	} 10.	<u>Generally dry.</u>
B. 307 17		
PD 107		
JW 107 37		

Rain fallen in area between stops

51814 Heavy plain over stony rise, *A. cambridgei* and *Euc. ochrophloia* with *Gleditsia* dominant as scattered trees. Ground cover sparse. Bassia sp. *Atriplex* green.

PD 107	} 8
L 0	
B. 307 27	
JW 107 17	

51821 Open silty plain about  $\frac{3}{4}$  mi from  
 stony rise. (*Astragalus* butts. and Bassia green)  
 Rather short open cover



Wind swung to east @ 1-2 B.S. hot.

37

J.D. 13 unsexed  
W 8♂ 7♀  
L. 12 unsexed  
B. 2♂ 2♀

Dry since last stop.

51334 Open savannah woodland of  
*Euc. ochrophloea* on heavy flood soil  
*Astrelba*, *Erag. setifolia* with scattered  
remains of *Bassia quinque*. Dead debris of  
miscellaneous dicots Dry.

B 2♂ 2♀  
L 1♂  
J.D. 0  
J.W. 2♂ 1♀

51349 Campfire Light Trapping neg. Had to switch  
because of impending storm. Flood country, Gidgea.

18/1/65

51349 Depart. Hot, humid, dust haze, wind  
slight 10S. E & ENE

51354 Silty flood wash adjacent to creek at base of red soil ridge. Creek area bearing *Gyneria* and *Euc. schroepfii*. Flood wash with *Acacia stenophylla* as odd trees with *Canegrass* and green *camphori* species. Except for *camphori* sp. Area dry.

L 0	}	2
B 1 unsexed		
JW 1 ♀		
JDO		

51359 Broad flood plain with *Euc. coolabah* in a savannah woodland form abutting red mulga country // to road. Heavy soil with shallow gilgai-like depression bearing *Erag. setifolia*. (dry); some *Bassia* *guineensis* also dry.

B 2 ♂	}	5
L 2 unsexed		
JDO		
JW 1 ♂		

51373 forest with *Cinnamomum* Rel.

51878 Theroniidae.

Thargo - Bulloo Dns Rd. Section X

51883 Silty silt with associated flood area. Area treeless with *Bassia bicornis* - *Bassia bicurpis* co-dominant. green. Isolated small tufts of *Erag. parviflor.* *Atriplex* sp. *spongosa*? in table dunes, *Euc. ochrophloia* in distance ( $\pm$ m) along flood channels.

B. O.	} 5
JD 107.	
W 207 19	
L 19	

51889 Heavy flood soil plain, treeless with dry *Asterella*, *Atriplex* & *Bassia* sp.

L. 307	} 7
W 207 19.	
B. O	
JD 17	

51914, Cut. Everywhere dry and parched.



returned to Thargomindah.

51950 Finish

13/1/65 Mr. W. Hughes of Nockatunga

Observed several swarms on the high country adjacent to the Cooper flood plains during late Feb-March 1964. Appeared to be heading NW. Nothing more seen of these populations.

15/1/65 Mr. Schultz of Mt. Howitt

Reported having seen flying swarms in late Feb-March moving NW onto the flood plains of the Cooper. No further reports as to their fate.

16/1/65 Mr. Nansen? of Keerongloo H.S.

Had hopper band (extensive) move up the Keerongloo Cr through his homestead site for a period of 10 days in late Feb-March. Flyers fledged and disappeared to the NW. onto the Cooper Flood Plains. No further information on this population.

Jack Bully (Fencing contractor)

Noccalav<sup>at</sup>ah area.

Early December 1964

Reported population of grasshoppers as numerous, with bands <sup>or</sup> swarms. Plain's turkeys feeding on population. [Reported as seeing as many turkeys as grasshoppers — feeding on the population.]



3/3/65 Nocundra - Mt. Margaret.

8558

8569.3 Nockakunga. ✓

8583 Turned left Lon las Rd.

2588 Fork. L to Conlar. R. old Thargo.

8605 Conlar Stn.

8610 Green area on silty flood plain  
Chenop. sp. in depression area, remainder  
widely spaced Bassia sp. Euphorb. with  
scattered Portulaca Tabernaemontana - Tribulus  
germinations 1♀.

8621 Gate

8628 " Boundary Nock. - Mt. Margaret.

8653 Mt. Margaret - Thargomindah Rd.

junct. Mulga scrub area bordering  
cleared stony gravelly area with  
sink holes. Sinkholes green with scattered  
tufts of Petrelles. 2♂?

8669 Gate on rd. Turn west along  
fence

8670 Large silt flood plain crossed  
by several creeks or channels



green *Bassia*s scattered <sup>recent</sup> numerous  
young geminations. 107

8671 Small depression of swamp soil  
bearing *Shenopodium*; odd island  
of *Astilbea*; swamp fringed with *Kochia*  
*setifolia*. Area as cleared portion  
between 2 belts of *Gudgera*. 207 1st meter?

8679 Gape.

8680 left road to left.

8685 Heavy country red type 8  
with island of *Gudgera*. Mitchell  
frons. 707 39. Dry.

8690 road.

8694 Area of heavy red country  
*Astilbea* & *Eragrostis aerophoda*, green  
at butt. *Kochia aphylla* as scattered  
shrubs. 607 28.

8702 = Mt Mary + Tassie (red).